| Inc | dex of | <sup>F</sup> Claims |  |
|-----|--------|---------------------|--|
|     |        |                     |  |

| Application No.   | Applicant(s)  |  |
|-------------------|---------------|--|
| 10/615,597        | MULLER ET AL. |  |
| Examiner          | Art Unit      |  |
| Laura B Rosenberg | 3616          |  |

| <br>Rejected | ı | (Through numeral)<br>Cancelled |
|--------------|---|--------------------------------|
| <br>Allowed  | + | Restricted                     |

| Z | Non-Elected  | F |
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| ı | Interference | C |

Laura B Rosenberg

| A | Appeal   |
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| Cla  | im       |                   |                 |   |              | Dat          | e  |              |            |           | ]:::::        | Cl           | aim      |                       |          |                    | Date      | )               |                    |          | :[   | Cla   | im           |  | -         |          |           | ate             | -        |           | _        |          |
|--|----------|-------------------|-----------------|---|--------------|--------------|--|--------------|------------|-----------|---------------|--------------|----------|-----------------------|----------|--------------------|-----------|-----------------|--------------------|----------|------|-------|--------------|--|-----------|----------|-----------|-----------------|----------|-----------|----------|----------|
| _  | न्न      | 2                 |                 |   |              |              |  |              |            |           |               | l _          | ज        |                       |          |                    |           |                 |                    |          |      | _     | <del>-</del> |  |           |          | -         | Ì               |          | ı         |          |          |
| Final  | Original | 2/27/05           |                 |   |              |              |  |              |            |           |               | Final        | Original |                       |          | ŀ                  |           |                 |                    |          |      | Final | Original     |  |           | ŀ        | - 1       |                 |          |           | - 1      |          |
| <u> </u>   | ö        | 22                |                 |   |              |              |  | ļ            |            |           |               | ፲፫           | ō        |                       |          |                    |           |                 | 11                 |          |      | ᄄ     | ō            |  |           |          |           |                 |          |           | - 1      |          |
|  |          |                   | Н               |   |              | ┞            | L  | _            | ┞-         | ļ         |               |              | l        | $\vdash$              | $\bot$   | ╀-                 | $\sqcup$  | $\dashv$        | +                  | 4::      |      |       |              | _  | 4         | _        |           | _               |          | _         | $\dashv$ | _        |
|  | 1_       | 1                 | $\vdash$        | _ |              | ┡            | ⊢  | -            | 1          | ╀         |               |              | 51       |                       | +        |                    | $\vdash$  |                 | +                  |          | -    |       | 101          |  |           |          | $\dashv$  |                 |          |           | $\dashv$ |          |
|  | 2        | 1                 | $\vdash$        |   |              | ┡            | 1  | -            | -          | -         |               |              | 52       | <b>├</b> -∤-          | +        | ╀                  | $\vdash$  |                 |                    |          | : -  |       | 102          |  | -         |          | -         |                 |          |           | $\dashv$ | $\dashv$ |
| <b></b>  | 3        | 1                 | $\vdash \vdash$ |   | _            | $\vdash$     | ├  |              |            | ╁         | 1             | <del> </del> | 53<br>54 | -                     | +        | ╁                  | $\vdash$  | +               | ++                 | -1::     | : -  |       | 103          | $\dashv$   | -         | ┥        | $\dashv$  | $\dashv$        | -        |           | $\dashv$ | $\dashv$ |
| <b></b>  | 5        | \<br>√            | $\vdash$        |   | <u> </u>     | ├            | ├  | ├-           | ├          | +         | ł             | <del> </del> | 55       | $\vdash$              | ╁        | +                  | $\vdash$  | <del>-</del> -  |                    |          | ŀ    |       | 104<br>105   |  | -+        |          |           | $\dashv$        | $\dashv$ | ┥         | ┥        | ᅱ        |
|  | 6        | 1                 |                 |   |              | ╀            |  | ├            | ╁          | -         | ł::::         | ┝            | 56       | $\vdash$              | ╫        | +                  | ╁╌┤       |                 |                    |          | :: - |       | 106          | -  | $\dashv$  |          |           | $\dashv$        | $\dashv$ | $\dashv$  | $\dashv$ | ᅱ        |
|  | 7        | Ť                 | $\vdash$        | _ | <del> </del> | ╁            | ╫  | <del> </del> | ┢          | ╁         | H             | <u> </u>     | 57       | $\vdash \vdash$       | +        | ┿                  | $\vdash$  | $\dashv$        | +++                |          | ÷    |       | 107          | -  | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$  | ┪        | ᅱ        |
|  | 8        | 1                 | $\vdash$        | _ | ┢            | ╁            | ╁  | ╁            | $\vdash$   | $\vdash$  | 1             |              | 58       |                       | +        | ╁                  | +         |                 | +++                |          | ÷    |       | 108          |  | $\dashv$  |          | -         | -               | $\dashv$ | $\dashv$  | ᅥ        | ᅱ        |
|  | 9        | Ì                 | $\vdash$        | _ | ┢            | ╁            | ╁╌   | ┢            | ╁          | $\vdash$  |               | <u> </u>     | 59       |                       | $\dashv$ | +-                 | ╁╌┧       |                 | +++                |          | ::   |       | 109          | $\neg$   | $\dashv$  |          | $\dashv$  | -               | $\neg$   | 十         | $\dashv$ | ᅱ        |
|  | 10       | 1                 | $\Box$          |   | $\vdash$     | T            | ┢  | T            | T          | 1         |               |              | 60       | $\vdash$              | ┪        | ╅                  | $\vdash$  | _               | 11                 | -        | ŀ    |       | 110          |  | 寸         | _        | $\dashv$  | 一               |          | ヿ         | ᆿ        | -1       |
|  | 11       | 1                 | П               |   |              | Т            | <del>                                     </del> | Т            | T          | 1         | 1             |              | 61       | $\vdash$              | +        | $\top$             | $\Box$    |                 | 11                 |          | it   |       | 111          |  | 寸         | $\dashv$ |           | 一               |          |           | 一        | ᅥ        |
|  | 12       | 1                 | $\Box$          |   | Т            | 1            | †  | П            | T          |           |               |              | 62       |                       | +        | $\top$             | † †       |                 |                    | 1        | 1    |       | 112          |  | 寸         |          |           | $\neg \uparrow$ |          | 寸         | ヿ        | ᅥ        |
|  | 13       | 1                 | П               |   | П            | Τ            |  | Π            | Τ          |           | 1             |              | 63       |                       | 7        | $\top$             | П         | $\neg$          | 1                  | 7        | :    |       | 113          |  | $\neg$    | $\neg$   |           |                 | $\Box$   | ヿ         | $\neg$   | $\neg$   |
|  | 14       | 1                 |                 |   |              |              |  |              |            |           | ]::::         |              | 64       |                       |          |                    |           |                 |                    |          | 1    |       | 114          |  |           |          |           |                 |          |           | $\Box$   |          |
|  | 15       | 1                 |                 |   |              |              |  |              |            |           |               |              | 65       |                       | ┚        |                    |           |                 |                    |          | 1    |       | 115          |  |           |          |           |                 |          |           |          |          |
|  | 16       | 1                 |                 |   |              |              |  |              |            |           |               |              | 66       |                       |          |                    |           |                 |                    |          |      |       | 116          |  |           |          |           |                 |          |           |          |          |
|  | 17       | 1                 |                 |   |              |              |  |              |            |           |               |              | 67       |                       |          |                    |           |                 |                    |          | :[   |       | 117          |  |           |          |           |                 |          |           |          |          |
|  | 18       | 1                 |                 |   |              |              |  |              |            |           |               |              | 68       |                       |          | $oxed{\Box}$       |           |                 |                    |          | :[   |       | 118          |  |           |          |           |                 |          |           | $\Box$   |          |
|  | 19       | 1                 | Ш               |   |              | <u> </u>     |  |              |            | $\perp$   |               | <u> </u>     | 69       | Ш                     |          |                    |           |                 | $\perp \perp$      |          |      |       | 119          |  | $\Box$    |          |           |                 |          |           |          | Ц        |
|  | 20       | 1                 | Ш               |   |              | <u> </u>     | $oxed{oxed}$                                     | _            | ╙          | <u> </u>  |               | <u> </u>     | 70       | Ш                     |          |                    |           |                 |                    | _ ::     |      |       | 120          |  | $ \bot $  |          |           |                 |          |           |          |          |
|  | 21       | ٧                 | Ш               |   |              | <u> </u>     |  | $oxed{oxed}$ | ┖          | <u> </u>  |               |              | 71       | $\sqcup$              |          | $\perp$            |           | _               | $\perp$            | _ ::     | 1    |       | 121          |  | $\dashv$  | _        |           | _               |          | _         | _        | _        |
|  | 22       | 1                 | Ш               |   | _            | ļ            |  | <u> </u>     | <u> </u>   | 乚         |               |              | 72       |                       | _        | 丄                  | $\perp$   | -               |                    | ::       | 1    |       | 122          | _  |           | _        | _         |                 |          |           | _        | _        |
| L  | 23       | 1                 |                 | _ | _            | ┡            | <u> </u>   | <u> </u>     | ┺          | ╄         | 1             |              | 73       | $\sqcup$              | _        | _                  | $\sqcup$  | _               | $\bot$             | _        | 1    |       | 123          | _  | _         |          | _         | _               |          | _         |          | ᆜ        |
| <del>                                     </del> | 24       | <u> </u>          | $\vdash$        | _ | <u> </u>     | -            | <u> </u>   | <b> </b> _   | ╀          | ╀         | 4             |              | 74       |                       | _        | +                  | $\vdash$  |                 | $\dashv$           |          | 4    |       | 124          |  | _         |          | _         |                 |          | _         |          | _        |
| $\vdash$   | 25       |                   |                 | _ | <u> </u>     | ⊢            | ├  | -            | ╀          | ┼         | -             |              | 75       | -                     |          |                    | $\vdash$  |                 |                    | -1       | 4    |       | 125          |  | $\dashv$  |          | _         |                 | -        | _         |          |          |
| $\vdash \vdash \vdash$                           | 26<br>27 | -                 |                 | _ |              | ╀            | ┢  | ⊢            | ┼-         | +-        | -             |              | 76<br>77 | ├┼-                   |          | +-                 | ╂┷┥       | -+              | +                  |          | }    |       | 126<br>127   |  | $\dashv$  | $\dashv$ |           | $\dashv$        | -        | $\dashv$  | $\dashv$ | $\dashv$ |
| $\vdash$   |          |                   | -               |   | -            | ╁            | ┢  | ⊢            | -          | ╁┈        | -             |              | 78       | ┝╍┼                   |          | +                  | -         | -+              | +                  |          | 1    |       |              |  |           | $\dashv$ |           | $\dashv$        | -        | $\dashv$  | $\dashv$ | $\dashv$ |
| $\vdash$   | 28<br>29 | ļ                 | -               | _ | -            | ╁╌           | ┢  | ┢            | ┢          | ┼         | 1             |              | 79       | $\vdash$              | +        | +                  |           | +               | +                  |          | }    |       | 128<br>129   |  |           | $\dashv$ |           | $\dashv$        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
| $\vdash$   | 30       | ٠                 | -               |   | ┢            | ╁╌           | ┢  | ╁            | ╁          | ╁╌        | 1             |              | 80       | $\vdash$              | +        | ╁                  | 1-1       | -               | +                  | -1::     | 1    |       | 130          |  | -         | -        |           |                 |          | -         | $\dashv$ | $\dashv$ |
| $\vdash$   | 31       |                   | $\vdash$        |   |              | 1            | 1  | $\vdash$     | +          | +         | 1             |              | 81       | $\vdash$              | +        | +                  | $\vdash$  | -               | +                  |          | 1    |       | 131          |  | $\dashv$  | $\dashv$ |           |                 | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
|  | 32       |                   |                 |   |              | <del> </del> | 1  | $\vdash$     | +          | ╁╌        | 1             |              | 82       | 1                     | +        | +                  | ╂         |                 | +                  | $\dashv$ | 1    |       | 132          |  | _         |          |           |                 |          |           | 一        | $\dashv$ |
|  | 33       | $\vdash$          | $\vdash$        | _ | $\vdash$     | T            | †  | $\vdash$     | $\vdash$   | $\dagger$ | 1             |              | 83       | -                     | 十        | +                  | $\forall$ | $\dashv$        | $\dashv \dashv$    | $\dashv$ | 1    |       | 133          |  |           | $\dashv$ |           | $\vdash$        |          | $\dashv$  | $\dashv$ | $\dashv$ |
|  | 34       |                   | Н               | _ | Г            | t            | T  | T            | T          | T         | 1             |              | 84       | $\Box$                | 十        | +                  | Н         | $\neg$          | $\dashv$           | -1::     | ŀ    |       | 134          | М  | $\vdash$  | $\dashv$ | $\vdash$  |                 | $\Box$   |           | 一        |          |
|  | 35       |                   | П               |   | Τ            | T            |  |              | T          | $\top$    | 1             |              | 85       | $\Box$                | 十        |                    | П         | $\neg$          | 77                 | 7        | ::   |       | 135          |  |           |          |           |                 |          |           | 一        |          |
|  | 36       | Г                 | П               |   |              | 1            | 1  | 1            | Τ          | $\top$    | 1             |              | 86       |                       | 十        | 1                  | П         | 一               | $\dashv \dashv$    |          | :    |       | 136          |  |           | $\neg$   |           |                 |          |           | 7        |          |
|  | 37       | П                 | П               |   | Г            | T            | Т  | 1            | Т          | $\top$    | 1             |              | 87       |                       | 丁        | T                  | П         | $\neg \vdash$   | 77                 | <b>-</b> | ŀ    |       | 137          |  | $\neg$    | $\neg$   |           |                 | $\Box$   |           | $\neg$   |          |
|  | 38       |                   | $\Box$          |   | Г            | 1            | 1  | Γ            | Τ          | 1         | 1::::         |              | 88       |                       | $\top$   | T                  | П         | $\neg \uparrow$ | $\top$             |          | :    |       | 138          |  |           |          |           |                 |          |           | $\neg$   |          |
|  | 39       |                   |                 |   |              |              | Г  |              |            | $I^-$     | ]::::         |              | 89       |                       | I        | $\mathbb{T}$       |           |                 |                    |          | :[   |       | 139          |  |           |          |           |                 |          |           |          |          |
|  | 40       |                   |                 |   |              |              |  |              |            |           | ]             |              | 90       |                       | I        | $oxed{\mathbb{T}}$ |           |                 |                    |          | :[   |       | 140          |  |           |          |           |                 |          |           |          |          |
|  | 41       |                   |                 |   |              |              |  |              |            |           | ]::::         |              | 91       |                       |          |                    |           |                 |                    |          | [    |       | 141          |  |           |          |           |                 |          |           |          |          |
|  | 42       | L                 | Ш               |   | 匚            | $\Box$       | $\Box$   |              | L          | ļ         | <b>]</b> :::: |              | 92       |                       | [_       | $\perp$            | Ш         | $\Box \Box$     | $\bot \bot \Box$   | _        | :[   |       | 142          |  |           |          |           |                 |          |           | $\Box$   |          |
|  | 43       | $\vdash$          | Ш               | _ | L            | $\perp$      | <u> </u>   | _            | 上          |           | 1             | <u> </u>     | 93       | $\sqcup \!\!\! \perp$ | $\perp$  | 1                  | Ш         | $\perp$         | $\perp \perp$      | _ ::     | 4    |       | 143          | Ш  | Ш         | _        |           |                 | Ш        | _         |          | _]       |
| oxdot  | 44       | <u> </u>          | Ш               |   | L            | ↓_           | <u> </u>   | 1_           | $\perp$    | _         |               |              | 94       | $\sqcup$              |          | $\perp$            | Ш         |                 | 44                 | _        | :    |       | 144          |  | $\Box$    |          | Ш         |                 | Ш        | $\Box$    |          | $\Box$   |
| $\sqcup$   | 45       | L                 | $\sqcup$        |   | L            | $\perp$      | 1_   | ļ.,          | $\perp$    | _         | 1             |              | 95       | $\sqcup$              | $\bot$   | $\perp$            | Ш         | 4               |                    | _        |      |       | 145          |  | Ш         |          |           |                 | Ш        |           | ot       |          |
| $oxed{oxed}$                                     | 46       | $ldsymbol{f eta}$ | Ц               |   | _            | $\perp$      | _  | <u> </u>     | ┡          | ــــ      | <b>.</b>      |              | 96       | $\sqcup$              | $\bot$   | $\perp$            | $\sqcup$  | $\perp$         | $\perp \downarrow$ | _ ::     | :    |       | 146          | Ш  | $\square$ |          | $\square$ |                 | Ш        | $\square$ |          | _        |
|  | 47       | <u> </u>          | Щ               |   | _            |              | _  | _            | ┞          | 丄         | <b> </b>      |              | 97       | $\sqcup \bot$         |          | $\perp$            | Ш         |                 | $\perp$            | _        | 1    |       | 147          | <u> </u>   |           |          |           |                 | Ш        |           |          | Щ        |
| ┝─┤  | 48       | ┞                 | $\sqcup$        |   | <u> </u>     | -            | ـــ  |              | ╀          | ╄         | 4             | <u> </u>     | 98       | $\sqcup$              | $\bot$   |                    | Ш         | $\perp$         | 11                 | _ :      | ::   |       | 148          | $\vdash$   | Щ         |          | Ш         | Щ               | Щ        |           | $\Box$   |          |
| $\vdash \vdash \vdash$                           | 49       | ـــــ             | $\sqcup$        |   | <u> </u>     | ـ            | <del> </del>                                     | ₽-           | <b>↓</b> _ | ╀         | 1             | <u> </u>     | 99       | $\vdash \vdash$       | +        | +                  | $\sqcup$  |                 |                    | _        | :    |       | 149          | <u> </u>   | Щ         |          |           |                 | Щ        |           |          | Щ        |
| oxdot  | 50       | <u> </u>          | Ll              |   | L            | 1            | <u> </u>   | 1            | <u>L</u>   |           | ]::::         | L            | 100      |                       |          | 丄                  |           |                 |                    | ::       | ા    |       | 150          | $ldsymbol{ld}}}}}}$ |           |          | l         |                 |          |           |          | $\Box$   |